

CASE STUDY: CITY OF LAREDO



City of Laredo, Texas
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Laredo, Texas 78043

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BACKGROUND FACTS

Annual miles driven: 7,500,000 (includes all vehicles and equipment)
Current annual usage of natural gas: 25,000 gasoline gallon equivalents (anticipated)
Year natural gas introduced in fleet: 1997

FLEET FACTS

Total vehicles:

53 CNG
537 gasoline
320 diesel

Total by vehicle type:

140 sedans
530 light-duty trucks
240 heavy-duty trucks

Refueling facilities onsite: Yes
Type: Fast fill

Time to fill: 3-5 minutes
Years using natural gas: 16

NATURAL GAS COST SAVINGS

Natural gas cost: \$0.85/gasoline gallon equivalent (GGE) + \$0.15 State Tax = \$1.00
Diesel cost: \$3.15/gallon Gasoline cost: \$2.68 (current price) Savings: \$1.68 per gal
Annual savings to fleet through use of natural gas: \$50,000 (vs. gasoline, anticipated)

ADDITIONAL COMMENTS/QUOTES

Additional Comments: Our current fleet has 53 units, 17 of which are the older units getting very little use and are being phased out as we acquire more new units. Most of the older units are dedicated CNG. The new models are different and perform much better than the older, outdated units. Most of the older units in our fleet have engines that are no longer being produced and thus, little or no parts availability. Our current CNG units now number 36. From March 2013 to February 2014 we consumed 13,042 GGEs for a savings of about \$22,000. Eleven of our current units just went into service in December of 2013, so the majority of usage is from the original 25 newer units. We are confident we will realize the \$50,000 anticipated savings once all of our units have a full year under their belts. We also should realize more than this amount once we get more units on board. Natural Gas is the cleanest burning fuel out there and it is very abundant in the US, especially Texas. In the future, it will be possible to fill up your car at your house. The Manufacturers are a bit behind with the Certified Technicians needed to service the systems. Once the infrastructure catches up, More and more ordinary commuters, etc. will be interested in buying vehicles with CNG. Thanks JD

Last update 03/28/2014



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